

CLAIMS

I claim:

Sub
A2

1. An apparatus comprising
a mounting substrate having a first light source and a second light source mounted thereon;
a first aperture device having a first aperture and a second aperture;
wherein the first aperture device can be aligned over the mounting substrate so that light from the first light source is emitted through the first aperture of the first aperture device and light from the second light source is emitted through the second aperture of the first aperture device.

2. The apparatus of claim 1 further comprising
a second aperture device having a first aperture and a second aperture;
wherein the second aperture device can be aligned over the first aperture device so that light from the first light source is emitted through the first aperture of the first aperture device and then through the first aperture of the second aperture device;
and light from the second light source is emitted through the second aperture of the first aperture device and then through the second aperture of the second aperture device.

3. The apparatus of claim 1 wherein
the first light source is a light emitting diode; and
the second light source is a light emitting diode.

4. The apparatus of claim 1 wherein

the first aperture device can be aligned over the mounting substrate
so that the first aperture of the first aperture device is coaxially aligned over the first
light source;

and the second aperture of the first aperture device is coaxially aligned over the
second light source.

5. The apparatus of claim 1 wherein

the first aperture device is comprised of a third aperture and a fourth aperture; and
wherein the first aperture device can be aligned over the mounting substrate so that
light from the first light source is emitted through the third aperture of the first aperture
device and light from the second light source is emitted through the fourth aperture of
the first aperture device.

6. The apparatus of claim 1 wherein

the first aperture device is comprised of an aperture plate which includes the first and
second apertures.

7. The apparatus of claim 6 wherein

the aperture plate of the first aperture device is round.

8. The apparatus of claim 1 wherein

the first aperture device is mounted centrally over the mounting substrate.

9. The aperture of claim 8 wherein

the first aperture device is rotatably mounted to the mounting substrate; and

the first aperture device is aligned with the mounting substrate to allow the emission of light from the first light source through the first aperture of the first aperture device and light from the second light source through the second aperture of the first aperture device by rotating the first aperture device with respect to the mounting substrate.

10. The apparatus of claim 1 wherein

each of the light sources each emits broad-spectrum visible white light.

11. The apparatus of claim 3 wherein

each of the light emitting diodes emits broad-spectrum visible white light.

12. The apparatus of claim 1 wherein

the first aperture device is comprised of a transparent material.

13. The apparatus of claim 6 wherein

the aperture plate of the first aperture device is comprised of a transparent material.

14. The apparatus of claim 3 comprising

a multi-parameter lighting device; and

wherein the substrate and the first aperture device are part of the multi-parameter lighting device.

15. The apparatus of claim 3 comprising

a multi-parameter lighting device; and

wherein the substrate, the first aperture device, and the second aperture device are part of the multi-parameter lighting device.

16. The apparatus of claim 14 and wherein

the multi-parameter lighting device includes a communications address.

Sub A3
17. The apparatus of claim 1 comprising

a flashlight; and

wherein the mounting substrate and the first aperture device are part of the flashlight.

18. The apparatus of claim 1 further comprising

a masking device which prevents light from the first light source and the second light source from passing through the masking device if the light is emitted in a first direction.

19. An apparatus comprising

a mounting substrate having a first light source and a second light source mounted thereon; and

a masking device which prevents light from the first light source and the second light source from passing through the masking device if the light is emitted in a first direction.

Sub A4
20. The apparatus of claim 1 further comprising

a first color filter covering the first aperture of the first aperture device;

a second color filter covering the second aperture of the first aperture device;

wherein the first aperture device can be aligned over the mounting substrate so that light from the first light source is emitted through the first color filter and the first aperture of the first aperture device and light from the second light source is emitted through the second color filter and the second aperture of the first aperture device.

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21. The apparatus of claim 20 wherein

the first color filter and the second color filter filter substantially the same frequency.

22. The apparatus of claim 8 wherein

a first color filter covering the first aperture of the first aperture device;

a second color filter covering the second aperture of the first aperture device;

a third color filter covering the third aperture of the first aperture device; and

a fourth color filter covering the fourth aperture of the first aperture device;

wherein the first aperture device can be aligned over the mounting substrate in a first position so that light from the first light source is emitted through the first color filter and the first aperture of the first aperture device and light from the second light source is emitted through the second color filter and the second aperture of the first aperture device;

and wherein the first aperture device can be aligned over the mounting substrate in a second position so that light from the first light source is emitted through the third color filter and the third aperture of the first aperture device and light from the second light source is emitted through the fourth color filter and the fourth aperture of the first aperture device.

23. The apparatus of claim 22 wherein

the first and second color filters filter substantially the same frequency;

and the third and fourth color filters filter substantially the same frequency.

24. The apparatus of claim 1 further comprising

a first light refractive optic covering the first aperture of the first aperture device;

a second light refractive optic covering the second aperture of the first aperture device;

wherein the first aperture device can be aligned over the mounting substrate so that light from the first light source is emitted through the first light refractive optic and the first aperture of the first aperture device and light from the second light source is emitted through the second light refractive optic and the second aperture of the first aperture device.

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~~25~~. The apparatus of claim ~~24~~ wherein

the first light refractive optic and the second light refractive optic filter have substantially the same optical power.

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~~26~~. The apparatus of claim 7 wherein

a first light refractive optic covering the first aperture of the first aperture device;

a second light refractive optic covering the second aperture of the first aperture device;

a third light refractive optic covering the third aperture of the first aperture device;

and

a fourth light refractive optic covering the fourth aperture of the first aperture device;

wherein the first aperture device can be aligned over the mounting substrate in a first position so that light from the first light source is emitted through the first light refractive optic and the first aperture of the first aperture device and light from the second light source is emitted through the second light refractive optic and the second aperture of the first aperture device;

and wherein the first aperture device can be aligned over the mounting substrate in a second position so that light from the first light source is emitted through the third light

refractive optic and the third aperture of the first aperture device and light from the second light source is emitted through the fourth light refractive optic and the fourth aperture of the first aperture device.

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27. The apparatus of claim 26 wherein

the first and second light refractive optics filter have substantially the same optical power;

and the third and fourth light refractive optics filter have substantially the same optical power.

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28. The apparatus of claim 1 wherein

the first aperture is a slotted aperture; and

the second aperture is a slotted aperture.

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29. The apparatus of claim 6 wherein

the first aperture and the third aperture are contained with a first slotted aperture;

and the second aperture and the fourth aperture are contained with a second slotted aperture.

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30. The apparatus of claim 1 wherein

the first light source is comprised of a first group of light sources;

and the second light source is comprised of a second group of light sources.

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31. The apparatus of claim 30 wherein

the first group of light sources is comprised of a first group of light emitting diodes;

